

**What is claimed is:**

1. A fuel filter comprising:
  - a housing;
  - a filtering element mounted in the housing, the filtering element
  - 5 including a hollow central portion surrounded by a filtering arrangement;
  - and
  - means for emitting far-infrared rays for activating fuel molecules
  - passing through the filtering filter.
2. The fuel filter as claimed in claim 1, wherein said means for emitting
- 10 far-infrared rays includes a core mounted in the hollow central portion and
- made of a material that emits far-infrared rays.
3. The fuel filter as claimed in claim 1, wherein said means for emitting
- far-infrared rays includes a sleeve mounted around the filtering arrangement
- and made of a material that emits far-infrared rays.
- 15 4. The fuel filter as claimed in claim 1, wherein said means for emitting
- far-infrared rays includes a cup mounted around the filtering arrangement
- and made of a material that emits far-infrared rays.